### UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. END920030067US1

Total Pages in this Submission

10/696511

#### TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450

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l nd in	vente	ed by	•		<del></del>		<u>.                                    </u>			
Ker	im K	alafa	ia et al.			ASSIGNE ASSIGNE	E NAME: In E RESIDENC	iternational Business Machines Corporation CE: Armonk, NY		
a C	ONT	NUA	TION AP	PLICATION,	check	appropriate b	ox and supply	r the requisite information:		
j (	Conti	nuat	ion 🗆	Divisional		Continuation •	in-part (CIP)	of prior application No.:		
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<b>3</b> (	Conti	nuat	ion 🗆	Divisional	<u> </u>	Continuation-	in-part (CIP)	of prior application No.:		
ncio	sed a	ire:				Applicatio	n Elements	•		
1.	×	Filin	g fee as	calculated and	d transi	mitted as desc	cribed below	•		
2.	X	Spe	pecification having 45		45	pages and including the following:				
	a.	X	Descript	ive Title of the	e Inven	tion				
	b.		Cross References to Related Applications (if applicable)							
	c.	0	Statement Regarding Federally-sponsored Research/Development (if applicable)							
	đ.		Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix							
	<b>e</b> .	X	Background of the Invention							
	f.	X	Brief Summary of the Invention							
	g.	X	Brief Description of the Drawings (if filed)							
	h.	X	Detailed Description							
	i.	X	Claim(s) as Classified Below							
	j,	Ø	Abstract of the Disclosure							

## UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Total Pages in this Submission

#### **Application Elements (Continued)**

3.	X	Drawing(s) (when necessary as prescribed by 35 USC 113)							
	8.	Number of Sheets 5							
	b.	☐ Informal Number of Sheets							
4.		Oath or Declaration							
	a.	☑ Newly executed (original or copy) ☐ Unexecuted							
	b.	☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)							
	Ç.	☑ With Power of Attorney ☐ Without Power of Attorney							
	d.	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).							
5.		Incorporation By Reference (usable if Box 4b is checked)  The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.							
6.		CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)							
7.		Application Data Sheet (See 37 CFR 1.76)							
8.		Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)							
	a.	Computer Readable Form (CRF)							
	b.	☐ Specification Sequence Listing on:							
		i. CD-ROM or CD-R (2 copies); or							
		ii. 🔲 Paper							
	C.	Statement(s) Verifying Identical Paper and Computer Readable Copy							
		Accompanying Application Parts							
9.	$\boxtimes$	Assignment Papers (cover sheet & document(s))							
10.		37 CFR 3.73(B) Statement (when there is an assignee)							
11.		English Translation Document (if applicable)							
12.	X	Information Disclosure Statement/PTO-1449   Copies of IDS Citations							
13.		Preliminary Amendment							
14.	$\boxtimes$	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)							
16.	$\boxtimes$	Certificate of Mailing							
		☐ First Class ☑ Express Mail (Specify Label No.): EU943994480US							

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. END920030067US1

Total Pages in this Submission

4

		Accompanying Application Parts (Continued)
		Additional Enclosures (please identify below):
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
8.	0	Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

### **UTILITY PATENT APPLICATION TRANSMITTAL** (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. END920030067US1

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#### Fee Calculation and Transmittal

		CLAIM	S AS FILED		•		
For	#Filed	#Allowed	#Extra		Rate		Fee
T tal Claims	36	- 20 =	16	x	\$18.00		\$288.00
Indep. Claims	4	- 3 =	1	х	\$86.00		\$86.00
Multiple Dependen	t Claims (check	if applicable)					\$0.00
						BASIC FEE	\$770.00
OTHER FEE (spec	cify purpose)						\$0.00
					TOTA	L FILING FEE	\$1,144.00
as described be  Charge  Credit  Charge  Charge	hereby authorize	\$1,144.00 . ling fees require t in 37 C.F.R. 1.	as filing fee. d under 37 C.F	Accoun	t No. 3 and 1.17.	Allowance, Signature	

Dated: 10/27/03

William H. Steinberg, Reg. No. 28,540

IBM Corporation / IP Law Dept. IQ0A, Bldg. 040-3

1701 North Street Endicott, NY 13760

Telephone: (607) 429-4358 Fax No.: (607) 429-4119

cc: RECORDS

CERTIFICATE OF	Docket No.						
Applicant(s): Kerim Ka	lafala et al.		END920030067US1				
Serial No.	Filing Date	Examiner	Group Art Unit				
Invention: AFFINITY-I	BASED CLUSTERING OF VECT	ORS FOR PARTITIONING	THE COLUMNS OF A MATRIX				
invention.							
I hereby certify that the	e following correspondence:		**				
Patent application and	corresponding paperwork IDS						
is being deposited with	<i>(Identify type)</i> n the United States Postal Servic	of correspondence) e "Express Mail Post Office to	o Addressee" service under 37				
CFR 1.10 in an envelo	pe addressed to: Commissioner	for Patents, P.O. Box 1450,	Alexandria, VA 22313-1450 on				
	10/28/03 (Date)						
		June M. Mitchell					
		(Typed or Printed Name of Person	Mailing Correspondence)				
	<del></del>	AMU M. M. J. (Signature of Person Mallir	fi hell Re Correspondence)				
	·	EU943994					
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